ABSTRACT OF THE DISCLOSURE

An adapter device includes a DC/DC adapter to receive DC power from a DC power source, and output a regulated DC voltage (V_{out}). A source determination circuitry receives the DC power from the DC power source and compares a magnitude of a voltage of the DC power with a reference magnitude of a reference voltage (V_{ref}). When the magnitude of the voltage of the DC power is greater than the reference magnitude, a data signal (V_{data}) having a first value is output. When the magnitude of the voltage of the DC power is less than the reference magnitude, the V_{data} signal having a second value is output. The V_{data} signal is received by control circuitry of an electronic device. When the V_{data} signal has the first value, the electronic device operates in a first mode where battery charging circuitry is disabled. When the V_{data} signal has the second value, the battery charging circuitry is enabled.